

Revise the abstract as follows:

-ABSTRACT OF THE DISCLOSURE

~~Disclosed is a~~ A program-changing method for a network having at least two nodes that include a first and a second predetermined node, each network node having a program, includes of changing a program of each of the nodes constituting a network in a remote place, the network including at least two nodes, and a network management system connected to a the first predetermined node of the network. The method comprising the steps of: transmitting a New changing program data and a control signal are transmitted to the first predetermined node connected to the network management system which is disposed in the network separately from the nodes and configured to manage the changing of the programs in the nodes. The first predetermined node replaces its program with the new changing program data. The network management system, the predetermined node constituting the network and the control signal being adapted to change a program of the predetermined node; allocating a fixed region in a memory within a transmission system forming the predetermined node in response to the reception of the new changing program data by the predetermined node to store the new changing program data in the fixed region, and changing the program of the predetermined node for the new changing program data under the control of the control signal; allowing the network management system to transmit a command or a program-transmitting-signal to the first predetermined node, so that the predetermined node should causing the transmission of the newly changed program data stored therein to the next predetermined node to change the program of the next predetermined node under

control of a respective control signal to the second predetermined node from the network management system, while ~~allowing the network management system to transmit the control signal to the next predetermined node; and, allowing the predetermined node to transmit the newly changed program data thereof to the next predetermined node if the program transmitting signal is received by the predetermined node and changing the program of the next predetermined node to the newly changed program data under the control of the control signal.--~~